

NATO Science for Peace and Security Series - C:
Environmental Security

Management of Weather and Climate Risk in the Energy Industry

Edited by
Alberto Troccoli Springer

Springer

1st
edition

2010, XXXI, 344 p.

Printed book

Hardcover

Printed book

Hardcover

ISBN 978-90-481-3690-2

£ 199,99 | CHF 271,50 | 229,99 € |
252,99 € (A) | 246,09 € (D)

Available

Discount group

Science (SC)

Product category

Proceedings

Series

NATO Science for Peace and Security
Series C: Environmental Security

Other renditions

Softcover

ISBN 978-90-481-3691-9

Earth Sciences : Atmospheric Sciences

Troccoli, Alberto (Ed.)

Management of Weather and Climate Risk in the Energy Industry

- Presents state-of-the-art papers in the production and use of weather and climate information for many areas within the energy industry
- Includes papers on the technical aspects of production and use of weather and climate information for the energy industry
- Includes papers on high-level policy options for an improved use of weather and climate information for the energy industry

Meteorological and climate data are indeed essential both in day-to-day energy management and for the definition of production and distribution infrastructures. For instance, the supply of electricity to users can be disturbed by extreme meteorological events such as thunderstorms with unusually strong winds, severe icing, severe cold spells, sea level elevation associated with storm surges, floods ... To be protected against such events, it is not sufficient to act after they have taken place. It is necessary to identify their potential impacts precisely and assess the probability of their occurrence. This book shows that this can only be done through an enhanced dialogue between the energy community and the climate and meteorology community. This implies an in-depth dialogue between actors to define precisely what kind of data is needed and how it should be used. Météo-France has been in long-term cooperation with the energy sector, including the fields of electricity production and distribution. Drawing on this experience, it should be noted in this respect the importance of long-term partnership between actors as exemplified here by the message of EDF.

Order online at springer.com/booksellers

Springer Nature Customer Service Center GmbH

Customer Service

Tiergartenstrasse 15-17

69121 Heidelberg

Germany

T: +49 (0)6221 345-4301

row-booksellers@springernature.com



ISBN 978-90-481-3690-2 / BIC: RB / SPRINGER NATURE: SCG36000

Prices and other details are subject to change without notice. All errors and omissions excepted. Americas: Tax will be added where applicable. Canadian residents please add PST, QST or GST. Please add \$5.00 for shipping one book and \$ 1.00 for each additional book. Outside the US and Canada add \$ 10.00 for first book, \$5.00 for each additional book. If an order cannot be fulfilled within 90 days, payment will be refunded upon request. Prices are payable in US currency or its equivalent.